

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11696-067001	Application No. 10/058,825
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Roderick J. Scott	
		Filing Date January 30, 2002	Group Art Unit 1632

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
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Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
b	AB	0 117 618	07/27/88	EPO			
	AC	0 242 246	11/11/92	EPO			
	AD	0 270 822	06/15/88	EPO			Abstr.
	AE	0 344 029	01/29/97	EPO			
	AF	WO 98/04725	02/05/98	PCT			
	AG	WO 98/07834	02/26/98	PCT			
	AH	WO 01/09299	02/08/01	PCT			

Other Documents (Include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
b	AI	GenBank Accession No. C10692 Dec 1998
	AJ	GenBank Accession No. U53501 May 1996
✓	AK	GenBank Accession No. Z97335 June 1999
✓	AL	GenBank Accession No. AC002130 9/2000 Aug 2000
✓	AM	GenBank Accession No. AC002396 Oct 2002
✓	AN	GenBank Accession No. AC002986 5/98 May 1998
✓	AO	GenBank Accession No. AC007067 Jun 1 2000
✓	AP	GenBank Accession No. AF014824 Aug 1997
✓	AQ	GenBank Accession No. AL021635 Feb 1998
✓	AR	GenBank Accession No. AL021711 March 2000
✓	AS	GenBank Accession No. AL035538 Feb 1999
✓	AT	Adams et al., "Parent-of-origin effects on seed development in <i>Arabidopsis thaliana</i> require DNA methylation," <i>Development</i> , 2000, 127(11):2493-2502
✓	AU	Alexander and Wulff, "Experimental Ecological Genetics in <i>Plantago</i> : X. The Effects of Maternal Temperature on Seed and Seeding Characters in <i>P. lanceolata</i> ," <i>J. Ecology</i> , 1985, 73(1):271-282

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PATENT

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b	AV	Angenent et al., "A Novel Class of MADS Box Genes is Involved in Ovule Development in Petunia," <i>Plant Cell</i> , 1995, 7:1569-1582
	AW	Bender and Fink, "Epigenetic Control of an Endogenous Gene Family Is Revealed by a Novel Blue Fluorescent Mutant of Arabidopsis," <i>Cell</i> , 1995, 83:725-734
	AX	Bevan, "Binary <i>Agrobacterium</i> vectors for plant transformation," <i>Nucleic Acids Res.</i> , 1984, 12(22):8711-8721
	AY	Bhattacharya et al., "A mammalian protein with specific demethylase activity for mCpG DNA," <i>Nature</i> , 1999, 397:579-583
	AZ	Brink and Cooper, "The Endosperm in Seed Development," <i>The Botanical Review</i> , 1947, 13:423-541
	AAA	Brutnell and Dellaporta, "Somatic Inactivation and Reactivation of <i>Ac</i> Associated With Changes in Cytosine Methylation and Transposase Expression," <i>Genetics</i> , 1994, 138:213-225
	ABB	Chaudhuri and Messing, "Allele-specific parental imprinting of <i>dzrl</i> , a posttranscriptional regulator of zein accumulation," <i>Proc. Natl. Acad. Sci. USA</i> , 1994, 91:4867-4871
	ACC	Chaudhury et al., "Fertilization-independent seed development in <i>Arabidopsis thaliana</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 1997, 94:4223-4228
	ADD	Chen et al., "Gene dosage and stochastic effects determine the severity and direction of uniparental ribosomal RNA gene silencing (nucleolar dominance) in <i>Arabidopsis</i> allopolyploids," <i>Proc. Natl. Acad. Sci. USA</i> , 1998, 95:14891-14896
	AEE	Colombo et al., "The Petunia MADS Box Gene <i>FB11</i> Determines Ovule Identity," <i>Plant Cell</i> , 1995, 7:1859-1868
	AFF	Duvick, "Genetic Contributions to Advances in Yield of U.S. Maize," <i>Maydica</i> , 1992, 37:69-79
	AGG	Ehlenfeldt and Ortiz, "Evidence on the nature and origins of endosperm dosage requirements in <i>Solanum</i> and other angiosperm genera," <i>Sex Plant Reprod.</i> , 1995, 8:189-196
	AHH	Finnegan et al., "Reduced DNA methylation in <i>Arabidopsis thaliana</i> results in abnormal plant development," <i>Proc. Natl. Acad. Sci. USA</i> , 1996, 93:8449-8454
	AII	Foster et al., "A <i>Brassica napus</i> mRNA encoding a protein homologous to phospholipid transfer proteins, is expressed specifically in the tapetum and developing microspores," <i>Plant Science</i> , 1992, 84:187-192
	AJJ	Fromm et al., "Stable transformation of maize after gene transfer by electroporation," <i>Nature</i> , 1986, 319:791-793
	AKK	Giroux et al., "A single gene mutation that increases maize seed weight," <i>Proc. Natl. Acad. Sci. USA</i> , 1996, 93:5824-5829
	ALL	Goto and Meyerowitz, "Function and regulation of the <i>Arabidopsis</i> floral homeotic gene <i>PISTILLATA</i> ," <i>Genes & Development</i> , 1994, 8:1548-1560
	AMM	Grossniklaus et al., "Maternal Control of Embryogenesis by MEDEA, a Polycomb Group Gene in <i>Arabidopsis</i> ," <i>Science</i> , 1998, 280:446-450
	ANN	Gruenbaum et al., "Sequence specificity of methylation in higher plant DNA," <i>Nature</i> , 1981, 292:860-862
	AOO	Guberac et al., "Influence of seed size on germinability, germ length, rootlet length and grain yield in spring oat," <i>Die Bodenkultur</i> , 1998, 49(1):13-18

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Other Documents (Include Author, Title, Date, and Place of Publication)		
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✓	APP	Haig and Westoby, "Genomic imprinting in endosperm: its effect on seed development in crosses between species, and between different ploidies of the same species, and its implications for the evolution of apomixis," <i>Phil. Trans. R. Soc. Lond. B</i> , 1991, 333:1-13
✓	AQQ	Hannah and Greene, "Maize Seed Weight is Dependent on the Amount of Endosperm ADP-glucose Pyrophosphorylase," <i>J. Plant Physiol.</i> , 1998, 152:649-652
✓	ARR	Irish and Yamamoto, "Conservation of Floral Homeotic Gene Function between <i>Arabidopsis</i> and <i>Antirrhinum</i> ," <i>Plant Cell</i> , 1995, 7:1635-1644
✓	ASS	Jack et al., "The Homeotic Gene <i>APETALA3</i> of <i>Arabidopsis thaliana</i> Encodes a MADS Box and Is Expressed in Petals and Stamens," <i>Cell</i> , 1992, 68:683-697
✓	ATT	Jones et al., "Methylated DNA and MeCP2 recruit histone deacetylase to repress transcription," <i>Nature Genetics</i> , 1998, 19:187-191
✓	AUU	Kakutani et al., "Characterization of an <i>Arabidopsis thaliana</i> DNA hypomethylation mutant," <i>Nucleic Acids Res.</i> , 1995, 23:130-137
✓	AVV	Kakutani et al., "Developmental abnormalities and epimutations associated with DNA hypomethylation mutations," <i>Proc. Natl. Acad. Sci. USA</i> , 1996, 93:12406-12411
✓	AWW	Kass et al., "DNA methylation directs a time-dependent repression of transcription initiation," <i>Current Biology</i> , 1997, 7:157-165
✓	AXX	Kermicle and Alleman, "Gametic imprinting in maize in relation to the angiosperm life cycle," <i>Development</i> , 1990, Supplement, pp. 9-14
✓	AYY	Kiyosue et al., "Control of fertilization-independent endosperm development by the <i>MEDEA</i> polycomb gene in <i>Arabidopsis</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 1999, 96:4186-4191
✓	AZZ	Koltunow et al., "Apomixis: Molecular Strategies for the Generation of Genetically Identical Seeds without Fertilization," <i>Plant Physiol.</i> , 1995, 108:1345-1352
✓	AAAA	Kranzitz et al., "The Effect of Genetically Based Differences in Seed Size on Seedling Survival in <i>Arabidopsis Thaliana</i> (Brassicaceae)," <i>Am. J. Botany</i> , 1991, 78(3):446-450
✓	ABBB	Laherty et al., "Histone Deacetylases Associated with the mSin3 Corepressor Mediate Mad Transcriptional Repression," <i>Cell</i> , 1997, 89:349-356
✓	ACCC	Li et al., "Role for DNA methylation in genomic imprinting," <i>Nature</i> , 1993, 366:362-365
✓	ADDD	Lund et al., "Endosperm-specific demethylation and activation of specific alleles of α -tubulin genes of <i>Zea mays</i> L.," <i>Mol. Gen. Genet.</i> , 1995, 246:716-722
✓	AEEE	Luo et al., "Genes controlling fertilization-independent seed development in <i>Arabidopsis thaliana</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 1999, 96:296-301
✓	AFFF	Manga and Yadav, "Effect of seed size on developmental traits and ability to tolerate drought in pearl millet," <i>J. Arid Environments</i> , 1995, 29:169-172
✓	AGGG	Marshall, "Effect of Seed Size on Seedling Success in Three Species of <i>Sesbania</i> (Fabaceae)," <i>Amer. J. Bot.</i> , 1986, 73(4):457-464
✓	AHHH	Martienssen and Richards, "DNA methylation in eukaryotes," <i>Curr. Opin. Genet. Dev.</i> , 1995, 5:234-242
✓	AIII	Matzke and Matzke, "How and Why Do Plants Inactivate Homologous (Trans)genes?" <i>Plant Physiol.</i> , 1995, 107:679-685
✓	AJJJ	Nan et al., "Transcriptional repression by the methyl-CpG-binding protein MeCP2 involves a histone deacetylase complex," <i>Nature</i> , 1998, 393:386-389

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<i>Roderick J. Scott</i>	10/5/04
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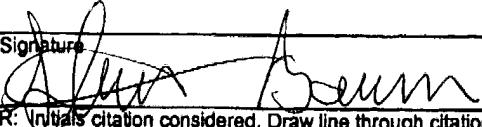
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✓	AKKK	Napoli et al., "Introduction of a Chimeric Chalcone Synthase Gene into Petunia Results in Reversible Co-Suppression of Homologous Genes <i>in trans</i> ," <u>Plant Cell</u> , 1990, 2:279-289
✓	ALLL	Ohad et al., "A mutation that allows endosperm development without fertilization," <u>Proc. Natl. Acad. Sci. USA</u> , 1996, 93:5319-5324
✓	AMMM	Ohad et al., "Mutations in FIE, a WD Polycomb Group Gene, Allow Endosperm Development without Fertilization," <u>Plant Cell</u> , 1999, 11:407-415
✓	ANNN	Pazin and Kadonaga, "What's Up and Down with Histone Deacetylation and Transcription?" <u>Cell</u> , 1997, 89:325-328
✓	AOOO	Razin, "CpG methylation, chromatin structure and gene silencing – a three-way connection," <u>EMBO J.</u> , 1998, 17(17):4905-4908
✓	APPP	Reiser et al., "The <i>BELL1</i> Gene Encodes a Homeodomain Protein Involved in Pattern Formation in the <i>Arabidopsis</i> Ovule Primordium," <u>Cell</u> , 1995, 83:735-742
✓	AQQQ	Richards, "DNA methylation and plant development," <u>Trends in Genetics</u> , 1997, 13(8):319-323
✓	ARRR	Roberts et al., "Gametophytic and sporophytic expression of an anther-specific <i>Arabidopsis thaliana</i> gene," <u>Plant J.</u> , 1993, 3(1):111-120
✓	ASSS	Roeckel et al., "Phenotypic alterations and component analysis of seed yield in transgenic <i>Brassica napus</i> plants expressing the <i>tzs</i> gene," <u>Physiologia Plantarum</u> , 1998, 102:243-249
✓	ATTT	Ronemus et al., "Demethylation-Induced Developmental Pleiotropy in <i>Arabidopsis</i> ," <u>Science</u> , 1996, 273:654-657
✓	AUUU	Schaal, "Reproductive Capacity and Seed Size in <i>Lupinus Texensis</i> ," <u>Amer. J. Bot.</u> , 1980, 67(5):703-709
✓	AVVV	Scott et al., "Parent-of-origin effects on seed development in <i>Arabidopsis thaliana</i> ," <u>Development</u> , 1998, 125:3329-3341
✓	AWWW	Sessions et al., "Patterning the floral meristem," <u>Seminars in Cell & Developmental Biology</u> , 1998, 9:221-226
✓	AXXX	Solter, "Differential Imprinting and Expression of Maternal and Paternal Genomes," <u>Annu. Rev. Genet.</u> , 1988, 22:127-146
✓	AYYY	Stoskopf et al., "Chapter 17 – Interspecific and Intergeneric Hybridization," <u>Plant Breeding – Theory and Practice</u> , 1993, Westview Press, Boulder, CO, pp. 345-371
✓	AZZZ	Vongs et al., " <i>Arabidopsis thaliana</i> DNA Methylation Mutants," <u>Science</u> , 1993, 260:1926-1928
✓	AAAAA	Winn, "Effects of Seed Size and Microsite on Seedling Emergence of <i>Prunella Vulgaris</i> in Four Habitats," <u>J. Ecology</u> , 1985, 73:831-840
✓	ABBBB	Wulff, "Seed Size Variation in <i>Desmodium Paniculatum</i> ," <u>J. Ecology</u> , 1986, 74:99-114

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